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TITLE : PRODUCTION OF SINGLE-STRANDED OLIGONUCLEOTIDE HAVING PROMOTER SEQUENCE OF RNA POLYMERASE

ABSTRACT : PURPOSE: To obviate the necessity of troublesome heating treatment by hybridizing a peeling primer and a primer having the promoter sequence of RNA polymerase in a specific mode to the nucleic acid sequence followed by extension reaction using a DNA polymerase with helicase-like activity.

CONSTITUTION: (A) A peeling primer and (B) a primer having the promoter sequence of RNA polymerase are hybridized to the nucleic acid sequence so as to situate the primer A toward 3'-side off the primer B. An extension reaction from the primer B is conducted by the action of DNA polymerase having helicase-like activity, and, furthermore, by the extension reaction from the primer A, the objective single-stranded oligonucleotide is separated.

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